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(54) Title: DERIVATIVES OF PYRIMIDO[6,1-a]ISOQUINOLIN-4-ONE

### (57) Abstract

Compounds of general formula (I) wherein each of R1 and R2 independently represents a C1-6 alkyl or C2-7 acyl group; R5 represents a hydrogen atom or a C1-3 alkyl, C2-3 alkenyl or C2-3 alkynyl group; R6 represents a hydrogen atom or a C1-6 alkyl, C2-6 alkenyl, C2-6 alkynyl, amino, C<sub>1-6</sub> alkylamino, di(C<sub>1-6</sub>) alkylamino or C<sub>2-7</sub> acylamino group; each of R<sup>7</sup> and R<sup>8</sup> independently represents a hydrogen or halogen atom or a hydroxy, trifluoromethyl, C<sub>1-6</sub> alkyl, C<sub>2-6</sub> alkenyl, C<sub>2-6</sub> alkynyl, C<sub>2-7</sub> acyl, C<sub>1-6</sub> alkythio, C<sub>1-6</sub> alkoxy, C<sub>3-6</sub> cycloalkyl; and R<sup>9</sup> represents a hydrogen or halogen atom or a hydroxy, trifluoromethyl, C<sub>1-6</sub> alkyl, C<sub>2-6</sub> alkenyl, C<sub>2-6</sub> alkynyl, C<sub>2-7</sub> acyl, C<sub>1-6</sub> alkythio, C<sub>1-6</sub> alkoxy or C<sub>3-6</sub> cycloalkyl group; X represents OCH<sub>2</sub> or a group CR<sup>3</sup>R<sup>4</sup>, wherein each of R<sup>3</sup> and R<sup>4</sup> independently represents a hydrogen atom or a C<sub>1-3</sub> alkyl group; each of R<sup>10</sup> and R<sup>11</sup> independently represents a hydrogen atom, a C<sub>1-3</sub> alkyl, C<sub>3-6</sub> cycloalkyl or phenyl group; y represents an oxygen atom or a group CHNO2, NCN, NH or NNO2, n is an integer from 2 to 4; or a salt thereof; are useful for treatment of respiratory disorders such as asthma. Compounds of the invention have a longer duration of action than the known compound trequinsin (9, 10-dimethoxy-3-methyl-2-mesitylimino-2,3,6,7-tetrahydro-4H-pyrimido[6,1-a]isoquinolin-4-one) and do not have trequinsin's very